

**CLIPPEDIMA E= JP405215633A**

**PAT-NO: JP405215633A**

**DOCUMENT-IDENTIFIER: JP 05215633 A**

**TITLE: DEVICE AND METHOD FOR MONITORING VACUUM  
DEVICE**

**PUBN-DATE: August 24, 1993**

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**APPL-NO: JP04020380**

**APPL-DATE: February 6, 1992**

**INT-CL (IPC): G01L021/00**

**ABSTRACT:**

**PURPOSE: To automatically measure the vacuum pressure in a vacuum chamber and plot the relation between the time and vacuum pressure in a graph by periodically collecting the vacuum pressure data of a vacuum gauge by connecting a personal computer with the vacuum gauge and**



**st ring the vacuum  
pr ssure data in connecti n with the time.**

**CONSTITUTION: The vacuum pressure data of a vacuum gauge  
(ion gauge controller)  
3 of a vacuum device are collected, preserved, and analyzed by  
means of a  
personal computer 4. The computer 4 is provided with a display  
4a, keyboard  
4b, built-in hard disk 4c, built-in floppy disk 4d, and external  
floppy disk  
4e. Since the computer 4 is connected with the gauge 3, the  
vacuum pressure  
data of the gauge 3 are periodically collected and the vacuum  
pressure data are  
stored on the disks 4d and 4e together with their collecting time  
and, at the  
same time, plotted in a graph on the display 4a. In addition, the  
vacuum  
pressure data are periodically collected from the commencement  
of exhaust and  
the use of the vacuum is discriminated as 'good' when the  
vacuum pressure is  
lower than a preset value after a prescribed period has elapsed  
or as 'not  
good' when the pressure is higher than the preset value.**

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